“Cloud & API deployment” assignment

Data glacier internship

Name: G2M insight for Cab Investment firm

Submission date: 8th October 2022

Internship Batch: LISUM13: 30

Deployment steps:

1) Using the toy data and model used in flask_deployement.
   - The dataset used is Fish market data available on Kaggle Dataset link. The model generated is used to predict the fish’s weight from its dimensions.

2) Generate the requirements.txt file necessary for Heroku to identify a python app
   a. Create and activate a separate environment in conda

```
(base) C:\Users\Rania Fleifel>conda create --name heroku_env python=3.8
(base) C:\Users\Rania Fleifel>conda activate heroku_env
```

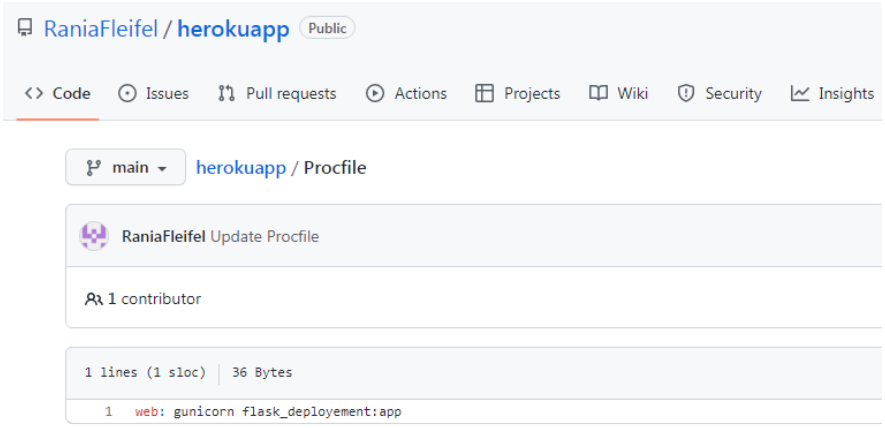
   b. Run the python scripts in the environment and “pip install” the required packages

```
(base) C:\Users\Rania Fleifel>python model_generation.py
(base) C:\Users\Rania Fleifel>python flask_deployement.py
```

   c. Generate requirements.txt file

```
(base) C:\Users\Rania Fleifel>pip freeze >requirements.txt
```

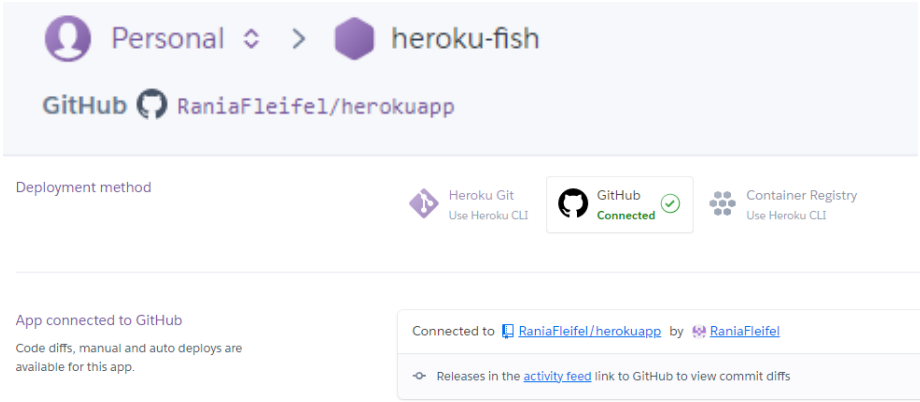
3) Push the local folder to herokuapp.git
   a. Add Procfile file



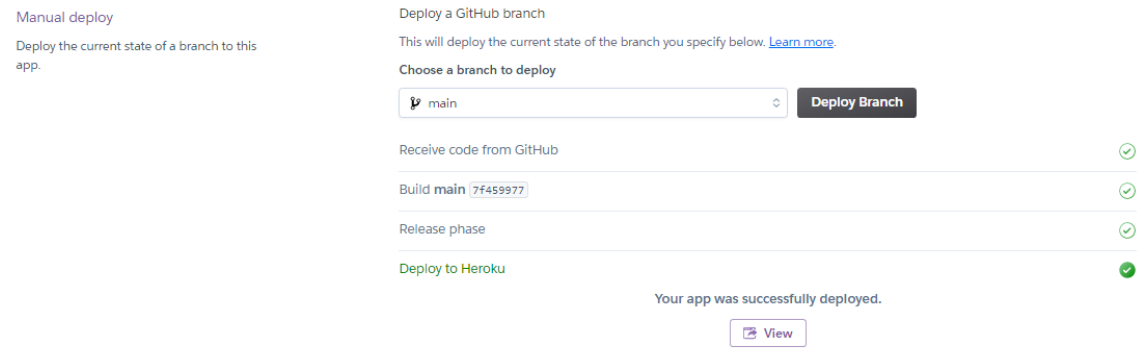
b. Add gunicorn to requirements.txt

4) Deployment on Heroku

a. Create new app and connect it to herokuapp on git



b. Manually deploy the app



Successful app deployed @ heroku-fish.herokuapp